

WHAT IS CLAIMED IS:

1. A nucleic acid molecule isolable from parathyroid of a mammal and whose expression is regulated by extracellular calcium concentration, or its complementary strand.

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2. A nucleic acid molecule as defined in claim 1, having the sequence set out in SEQ ID No. 1, or its complementary strand.

3. A nucleic acid molecule, having an homology of at least 60% with the nucleic acid of claim 2.

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4. A nucleic acid molecule, having an homology of at least 80% with the nucleic acid of claim 2.

5. A nucleic acid molecule as defined in claim 4, wherein the mammal is a human.

6. A nucleic acid as defined in claim 5, which has the sequence set out in SEQ ID No. 3.

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1.

7. A recombinant vector comprising the nucleic acid of claim

8. A recombinant vector comprising the nucleic acid of claim

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vector of claim 7.

9. A recombinant host cell comprising the recombinant

10. A recombinant host cell comprising the recombinant vector of claim 8.

11. A nucleic acid of at least 12 nucleotides in length capable of a specific hybridization with the nucleic acids of a calcium sensing cell and with SEQ ID No. 1, or SEQ ID No. 3, or a complementary sequence thereof.

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12. A nucleic acid as defined in claim 11 which is an amplification primer.

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SUB A1

SUB B3

SUB A2

SUB A3

13. A nucleic acid as defined in claim 11, which is a hybridization probe.

14. A composition of matter comprising the nucleic acid of claim 1 and a carrier.

15. A composition of matter comprising the nucleic acid of claim 5 and a carrier.

16. A composition of matter comprising the nucleic acid of claim 6 and a carrier.

17. A composition of matter comprising the recombinant vector of claim 7 and a carrier.

18. A composition of matter comprising the recombinant vector of claim 8 and a carrier.

19. A composition of matter comprising the nucleic acid of claim 11 and a carrier.

20. A composition of matter comprising the nucleic acid of claim 12 and a carrier.

21. A composition of matter comprising the nucleic acid of claim 13 and a carrier.

22. A composition of matter comprising the recombinant host cell of claim 9 and a carrier.

23. A composition of matter comprising the recombinant host cell of claim 10 and a carrier.

add A⁵

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